



Tool Wear in Machining

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Message from the Guest Editor

Drilling, milling and turning are the main machining processes that are of particular interest to metal and plastic specialists. Both the aviation and automotive industries require high-precision processing of the manufactured elements. This ensures constant development: machining techniques are constantly improved, new tools are developed, and new areas of application are sought. Measurements of cutting resistance, acoustic emission, and vibrations in the cutting process can be effective methods used to assess the wear condition of a cutting tool. Today, many different types of sensors are available in combination with signal-processing technologies, and many advanced signal- and information-processing techniques have been invented and reported in scientific articles. However, only a few found their way into industrial applications. As such, we encourage all cutting process researchers to take part in this Special Issue of *Machines*, to present the state of knowledge in the field of measuring the wear of cutting tools, modern coatings used for cutting tools, and methods of processing signals from the cutting zone.





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Message from the Editor-in-Chief

Machines is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews, short communications and letters.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

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